



In the United States Patent and Trademark Office

Serial Number: \_\_\_\_\_

Appn. Filed: \_\_\_\_\_

Applicant(s): Edward Linsley

Appn. Title: Twister Wings Sailboat

Examiner/GAU: \_\_\_\_\_

Mailed: 9/29/03

At: P.O., Wetumpka, AL

Information Disclosure Statement

Commissioner for Patents  
Washington, District of Columbia 20231

Sir:

Attached is a completed Form PTO/SB/08(A&B) and copies of the pertinent parts of the references cited thereon. Following are comments on any non-English-language references pursuant to Rule 98:

*See Enclosed Folders*  
*Prior Art, Patent Search*  
*Prior Manufactured Art*

Very respectfully,

Applicant(s): Edward Linsley

Edward Linsley

Enc.: PTO-1449 & References

c/o: \_\_\_\_\_

Telephone: \_\_\_\_\_

Certificate of Mailing

I certify that this correspondence will be deposited with the United States Postal Service as first class mail with proper postage affixed in an envelope addressed to: "Commissioner for Patents, Washington, DC 20231" on the date below.

Date: 200 \_\_\_\_\_, Applicant



## Prior Manufactured Art

49er Skiff      Sailing World, Oct. 2003

The Australian 49er has two trapezes, a cloud of sail and solid wings. But the wings of the 49er are used only as a platform for standing when hanging out on a wire. They have the shape of bent plates, rising outboard from the hull and then rolling almost to the horizontal at their outer edges where the crew will normally stand. They are not shaped hydrodynamically to provide efficient lift when rolled to leeward. As with all of the skiffs, they perform best when sailed upright.

Aussie 18-Foot Skiff      Australia

This high performance skiff is similar to the 49er but has very extended mesh racks that can accommodate three trapezes and the leeward rack is not meant to ride on the water.

Vanguard Vector      teamvanguard.com, and Sailing World

The Vector is a new skiff which has solid wings used as racks for movement of the crew on twin trapezes. It is a smaller version of the 49er skiff that also has solid wings. The wings are there exclusively to accommodate crew movement. The boat must be sailed nearly upright in both high winds and when running out of wind. The latter case is compared to riding a bicycle; it requires some forward motion to maintain balance and prevent capsize.

Super Ray 17      Popular Mechanics, Oct. 1978

This boat has winged side decks that flare out to a beam of nearly 8 ft. with a waterline width of just 4 ft. The result is that the crew has plenty of space for sitting or hiking out. But these wings are not hydrodynamic lifting surfaces that can react with the water on the leeward side, since the flat deck extension would just slice the flow rather than providing restoring lift.

Raider 16 and Sport Sailboats      Sail Magazine, Sept. 2003, page 85

At first glance, this boat with wings appeared that it might be competition to the Twister Wings sailboat. Downloading some prints from the net did show something under the wings. I finally found some thumbnails to expand that the large prints enclosed. The object is just an artistic painting to decorate the bottom of the wing. The boat is basically a modification of the high speed skiff having a sharp, slender forebody, flaring to a wide-winged afterbody. The wings are essentially platforms for moving crew weight outboard without having to use a trapeze. As with the skiffs, this boat is meant to ride flat

on the water. A roll angle will not increase planning ability.

### **Result of Search**

The term "wings" is often used in prior sailboat designs although no prior manufactured art has been shown to have a design of wings that appear or function in the manner of Twister Wings.